



**US Army Corps  
of Engineers®**

Engineer Research and  
Development Center

# Small Emplacement Excavator (SEE) Snowplow

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## Technology

The Small Emplacement Excavator (SEE) snowplow enables the SEE to perform additional duty plowing snow. The plow attaches to the same connection points used for the SEE front-end bucket, using the same two bolts and four quick-disconnect hydraulic lines. The plow has hydraulic angle control and a trip edge that folds back to allow the plow to ride over obstacles up to four inches high. The existing SEE bucket controls operate the plow.

The plow mounts fairly easily without any need for modification. The plow assembly weighs 215 pounds more than the unloaded bucket loader assembly. (This weight difference does not affect vehicle performance.) The hydraulic controls should be operated in float position and the trip edge may need to be periodically reset (by lifting the blade) when plowing on rough surfaces. If plowing cross-country terrain containing frozen tuft grass or similar obstructions, the plow should be kept three to four inches above the ground.



*SEE tractor with Schmidt “Wausau” brand snowplow.*

## Problem

In the recent past, the Army had little need for snow removal over lines of communication and at support/staging areas. As a result, the Army’s engineer vehicles are not outfitted to move snow. Existing engineer equipment, such as the SEE with a front-end loader, or the Armored Combat Earthmover (ACE) with its bulldozer blade, do not move snow efficiently. Given current events and the winter deployment of troops to Bosnia and Kosovo, engineer equipment that can be outfitted to plow snow has been identified as a requirement by HQ, V Corps, and HQ, USAREUR.

**Expected Cost  
To Implement**

The snowplow assembly for the SEE costs approximately \$9000. Training costs are minimal because operators who have been trained to use the SEE controls quickly adapt to the snowplow.

**Benefits/Savings**

The snowplow has performed effectively, thereby accomplishing the task for which it was obtained.

**Status**

One snowplow is located at Fort Leonard Wood, Missouri; another is at Fort Drum, New York. Seventeen plows have been shipped to Bosnia (two of which have been relocated to Kosovo) to clear roadways, parking lots, billeting areas, and landing sites. The SEE snowplow is superb for snowplowing tasks.

**ERDC POC(s)**

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**Distribution Sources**

The snowplow is available through the Defense Construction Supply Center in Columbus, Ohio (1-877-352-2255; DSN 850-1374; [www.dsccl.dla.mil/](http://www.dsccl.dla.mil/)). Order National Stock Number 3825-01-423-7801. (Note: The U.S. Army does not stock parts for any snowplows.)

**Available  
Documentation**

ERDC/CRREL Special Report SR-02-1, *Snow and Ice Control (SNIC) Equipment and Its Use by Military Units Worldwide* ([http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/SR02-1.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/SR02-1.pdf)). To request a paper copy, please write to CRREL, ATTN: Library, 72 Lyme Road, Hanover, New Hampshire 03755-1290.

**Available Training**

Training to operate the SEE snowplow and other snow and ice control equipment is provided by users' local units. ERDC/CRREL Special Report SR-02-1, a detailed user's manual, is available on line and in hard copy (see **Available Documentation**, above).

**Available Support**

Schmidt Engineering and Equipment, Inc.  
Attention: Parts  
1905 South Moorland Road  
New Berlin, Wisconsin 53151

Telephone: 1-262-784-6066

Fax: 1-262-784-1395

E-mail: [sales@see-worldwide.com](mailto:sales@see-worldwide.com)

Web site: <http://www.SEE-worldwide.com>

**NOTE:** "SEE" in the Schmidt Engineering E-mail and Web site addresses does not refer to the SEE tractor; it refers to Schmidt Engineering and Equipment, Inc.